

# AMBULANCE ILLUSTRATED

W<sup>M</sup> CULLEN M.D.



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S<sup>T</sup> ANDREW'S AMBULANCE ASSOCIATION

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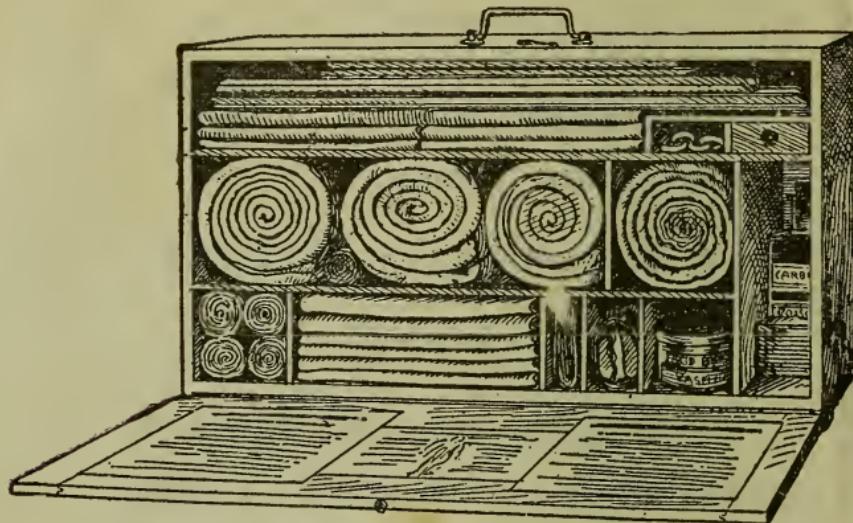
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Designed for use in Private Houses, Hotels, Public Works, Collieries, Railway Stations, etc., containing:

2 Sets of Gooch Splints.	1 8-oz. Bottle Carron Oil.
1 lb. of Gamgee Tissue.	1 Roll Adhesive Plaster, 10 yds. by 1 in.
½ lb. Surgeon's Lint.	½ lb. Bottle Boracic Vaseline.
6 Roller Bandages, assorted.	1 Pair Scissors
12 Triangular Bandages.	1 Pair Forceps.
1 yard Gutta Percha Tissue.	1 Box of Safety Pins.
1 Elastic Web Tourniquet.	3 doz. Plain Pins.
1 Field Tourniquet.	General Instructions.
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Price, £1 15s.

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Suitable for use in Private Houses, Small Public Works, Schools and Small Railway Stations, etc., containing:

1 Triangular Bandage.	1 yard Gutta Percha Tissue.
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1 Elastic Web Tourniquet.	1 Pair Scissors.
2 yards Carbolized Gauze.	1 Box Safety Pins.
2 oz. Surgeon's Lint.	3 doz. Plain Pins.
2 oz. Boric Wool.	

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## AMBULANCE PUBLICATIONS.

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**ELEMENTARY AMBULANCE HANDBOOK**; being a Synopsis of Beatson's Ambulance Handbook. Price 6d.; post free, 7d.

**FIRST AID IN ACCIDENTS AND SUDDEN ILLNESSES** by DUNCAN MACARTNEY, M.A., M.D. First Edition, profusely illustrated. *In the Press.*

**HANDBOOK ON HOME NURSING AND HYGIENE** by J. WALLACE ANDERSON, M.D., F.F.P.S.G., and GEORGE H. EDINGTON, M.D., F.F.P.S.G. Sixth impression, illustrated. Price 1s. net; post free, 1s. 2d.

**MANUAL OF STRETCHER DRILL**, prepared by Dr. ALEX. NAPIER, V.D. Price, paper covers, 6d. net; post free, 7d.

**AMBULANCE EXAMINATION QUESTIONS**, by D. M. MACDONALD, M.D. Price 6d.; post free, 7d.

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To Members of Sections of the St. Andrew's Ambulance Corps, and Holders of the Association's Certificate and Medallion.

## MEDALLIONS & CERTIFICATES.

Holders of Bronze Medallions may have same exchanged for Gold or Silver at the following prices.

**GOLD—18-carat, 32/6; 9-carat, 15/- SILVER. 3/-**

Holders of lost or worn Bronze Medallions, or of lost or worn Certificates may have same replaced. Price 1s.

Badges (Embroidered)—Association, 1s. 3d.; Corps, 1s. 9d. and 2s.; White Metal, 6d. White and Red Enamel, 1s. 6d.; Plated, 2s.; Celluloid, 2d.; Postage, 1d.

Applicants for above should state the number of the Certificate held by them, or the name of the class and the date at which it was gained.

Frames for Certificates, price 1s. 6d.

## NURSES' WALLETS.

Without Instruments, - - -	4/3 and 7/9
Fitted Complete, - - -	15/-, 21/-

The contents of both are the same, viz.:—Dressing Scissors (Ordinary), Dressing Scissors (Elbow), Ordinary Forceps, Dressing Forceps, Spatula and Clinical Thermometer, the only difference being in the quality.

## CLINICAL THERMOMETERS.

Round, Ordinary, - - - -	1/6
Minute, - - - -	2/-
Half-Minute, - - - -	2/6

## BATH THERMOMETERS.

Wood, Floating, - - - -	1/-
Do., with Dr. Forbes and Dr. Bland's Specifications, - - - -	1/8
Japanned, - - - -	2/-

The Association accepts no liability for Thermometers  
broken in transit.

## ROLLER BANDAGES.

		Open Wove.	Linen.	
1 in. 6 yards long,	- - -	1/-	—	per doz.
1½ " 6 "	- - -	1/3	—	"
2 " 6 "	- - -	1/6	8/-	"
2½ " 6 "	- - -	1/9	—	"
3 " 6 "	- - -	2/-	12/-	"

## TRIANGULAR BANDAGES.

Open Wove, - - - -	-	4d. each, 3/-	per doz.
Calico, - - - -	-	4d. "	3/-
Calico, Large Size, - - -	-	6d. "	4/6
Calico, Unbleached, Open Wove, - - - -	-	4d. "	3/-
Illustrated Triangular Bandages, 6d., with Instructions, 7d.			

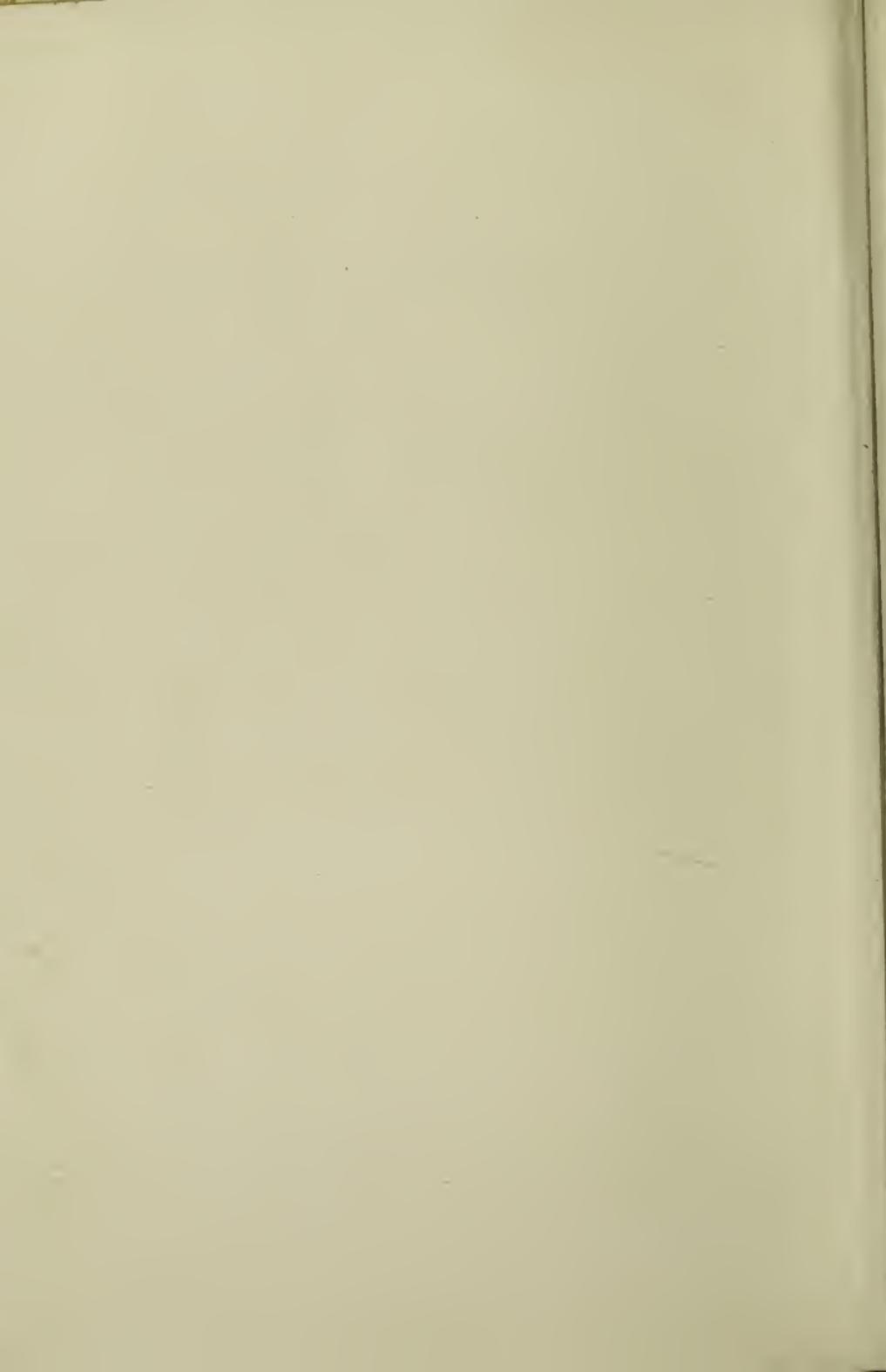
## ROLLER BANDAGE WINDING MACHINE.

Price, 2/-.

# AMBULANCE ILLUSTRATED

*Sixty photographs taken by W. M. Warnecke under the  
direction of Wm. Cullen, M.D.*

GLASGOW :  
ST. ANDREW'S AMBULANCE ASSOCIATION  
(Incorporated by Royal Charter)  
1914

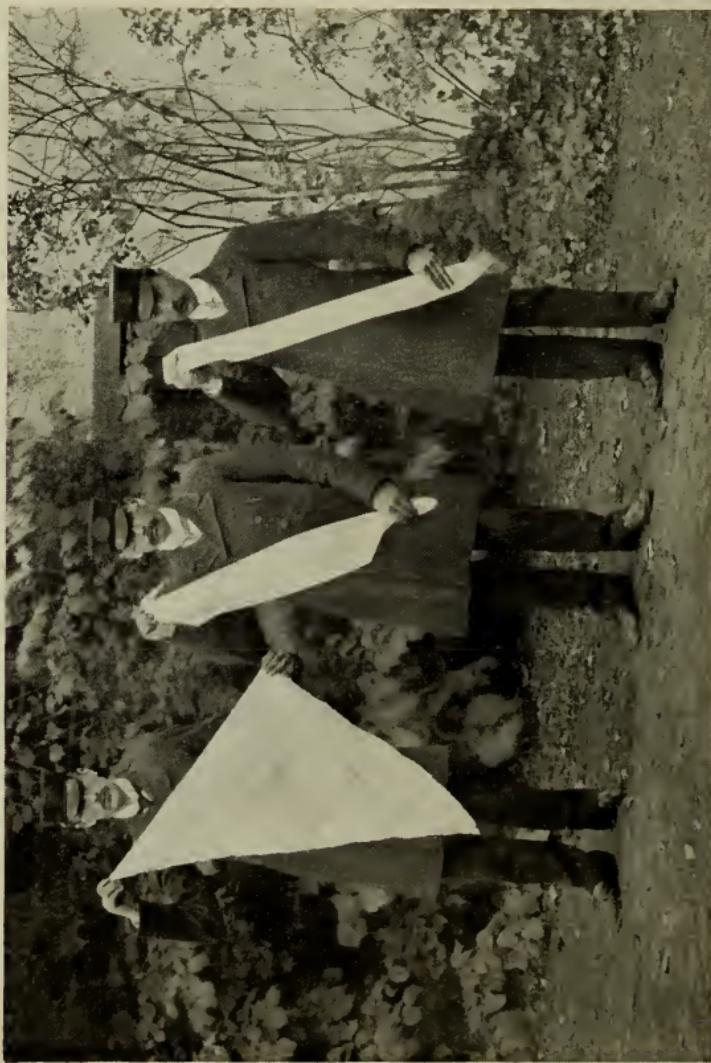


*PICTURES* are always interesting.

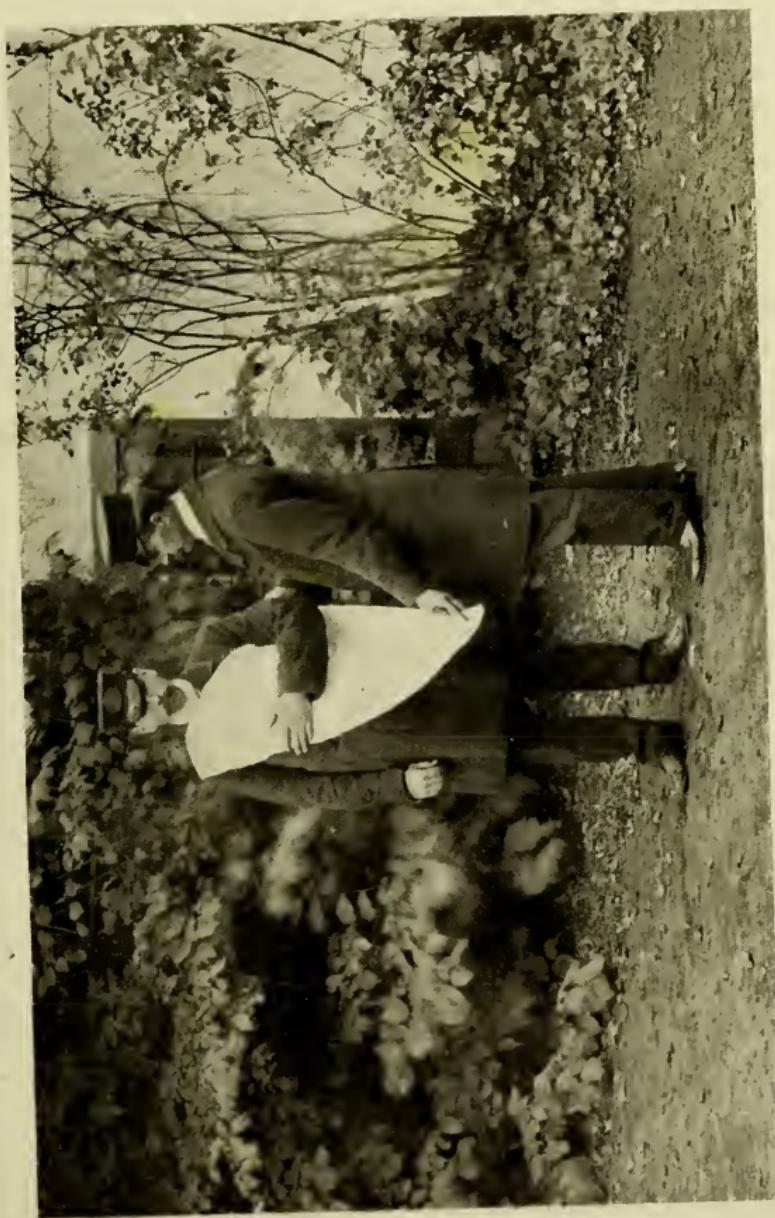
*They should be not less so when combined with usefulness. This series of typical photographs, personally taken by Mr. Warneuke, will serve as a helpful supplement to many of the text looks on Ambulance.*

*WILLIAM CULLEN, M.D.*

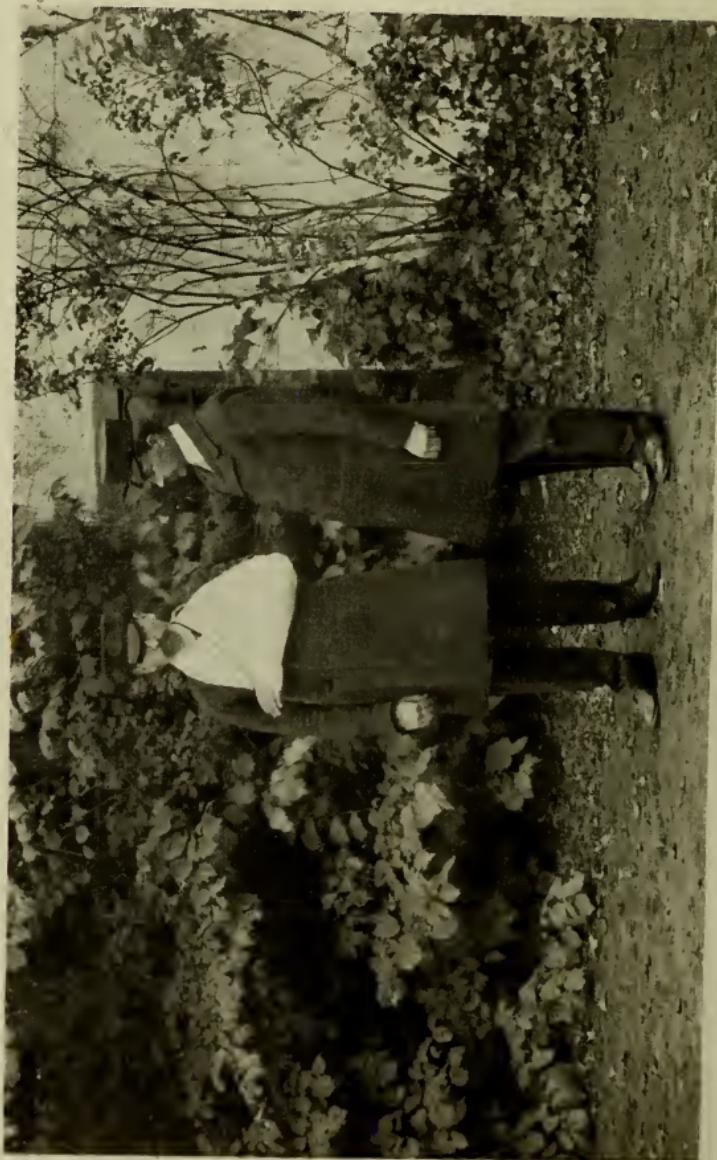
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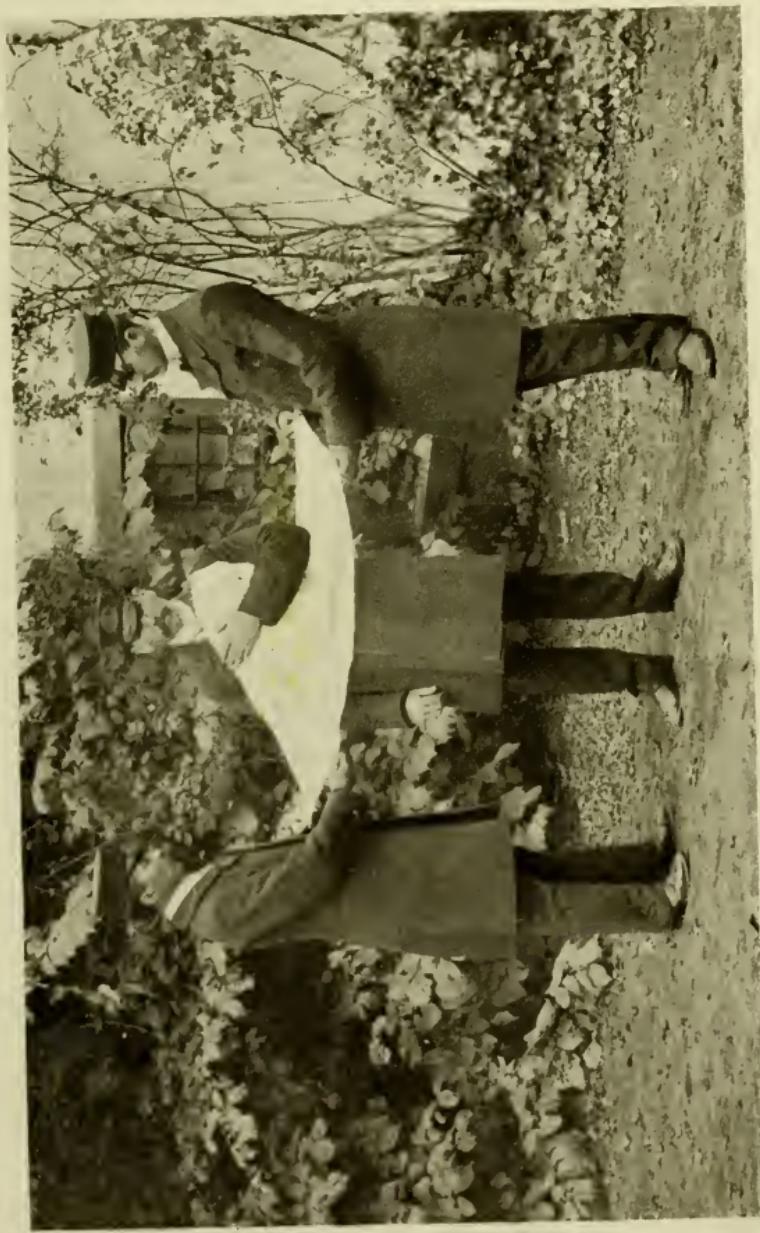
THE TRIANGULAR (OR POCKET HANDKERCHIEF) BANDAGE.  
(a) Open, (b) folded broad, (c) folded narrow.



HOW TO APPLY THE BROAD ARM-SLING. (a).



THE BROAD ARM SLING. (b) Applied.



HOW TO APPLY THE CLAVICULAR (OR COLLAR-BONE) ARM SLING. (a)



THE CLAVICULAR ARM-SLING. (b) Second position.



THE CLAVICULAR ARM-SLING. (c) Complete.



IMPROVISED SLINGS.  
(a) Sleeve sling, (b) coat-skirt sling.



A FIRST DRESSING AS APPLIED TO WOUNDS.  
(a) Over the eye, (b) at base of the skull, (c) on the temple.



FRACTURE OF LEFT FOREARM. (a) Ready for sling.



FRACTURE OF LEFT FOREARM. (b) Complete.



(a) FRACTURE OF RIGHT ARM NEAR ELBOW.  
(b) Shewing improvised "L" Splint.



FRACTURE OF LEFT UPPER ARM.



FRACTURE OF RIB.  
(Restraining movement by means of broad bandage).



FRACTURE OF COLLAR-BONE (Clavicle).  
(a) Pad in armpit to force the broken ends apart, and so prevent over-riding each other.



FRACTURE OF COLLAR-BONE (Clavicle).  
(2) Sling to relieve pain by placing weight of the arm on the opposite shoulder.



FRACTURE OF COLLAR-BONE (Clavicle).  
(c) Cross bandage to lever broken ends apart, and fix them in that position.



TO CONTROL BLEEDING FROM FACE OR SCALP.

Digital pressure on

(a) Temporal artery, (b) maxillary artery, (c) occipital artery.



(a) Finger pressure on subclavian artery.  
(b) Improvised tourniquet on arm.  
(c) First dressing on forearm.



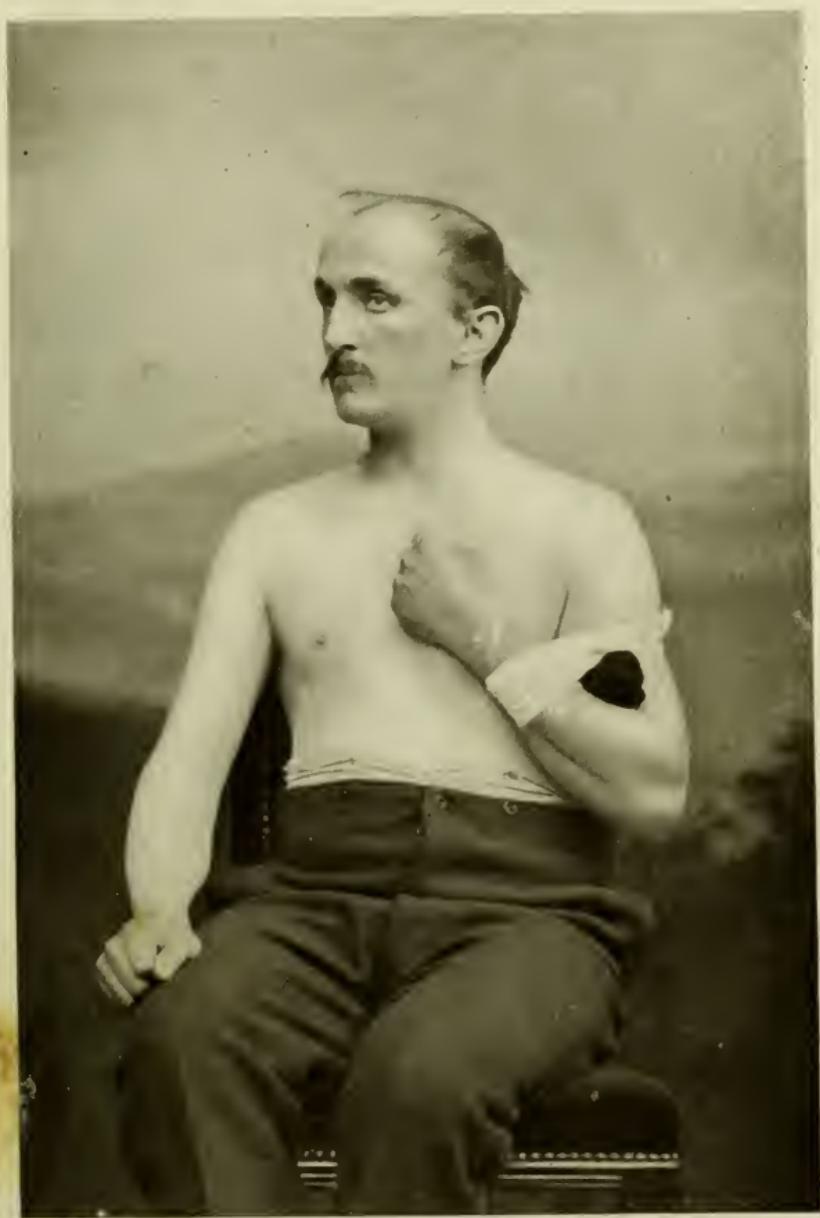
BLEEDING FROM NOSE (Nasal Haemorrhage).  
Seat patient in chair. Raise arms and hold them so. Apply cold over nose and nape of neck.  
Swab nostrils with camel-hair brush, dipped in vinegar or steel drops.



IMPROVISED TOURNIQUET OVER THE MAIN ARTERY (Femoral)  
SUPPLYING THE LEG.  
Bandages on knee and foot, fixing first dressings.



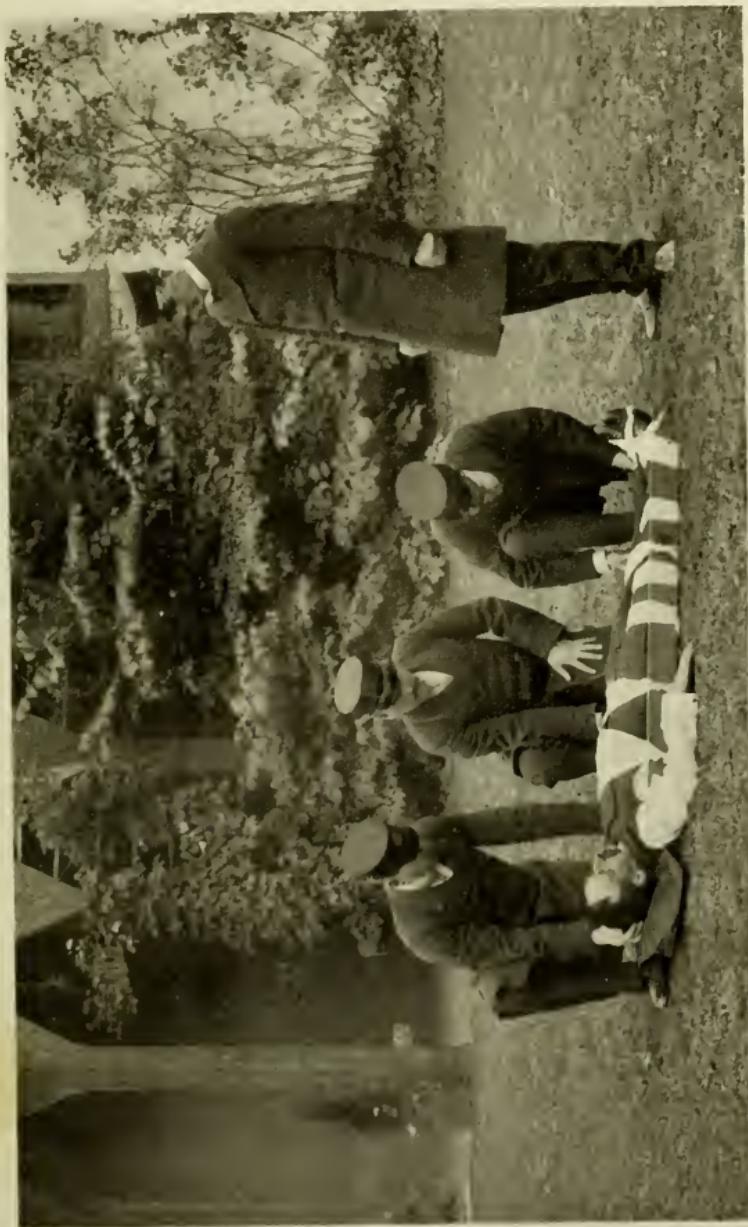
(1) First dressing on wound of shoulder.  
(2) Digital pressure of main artery to left arm (Brachial).



FORCED FLEXION.  
To arrest bleeding in bend of the elbow.



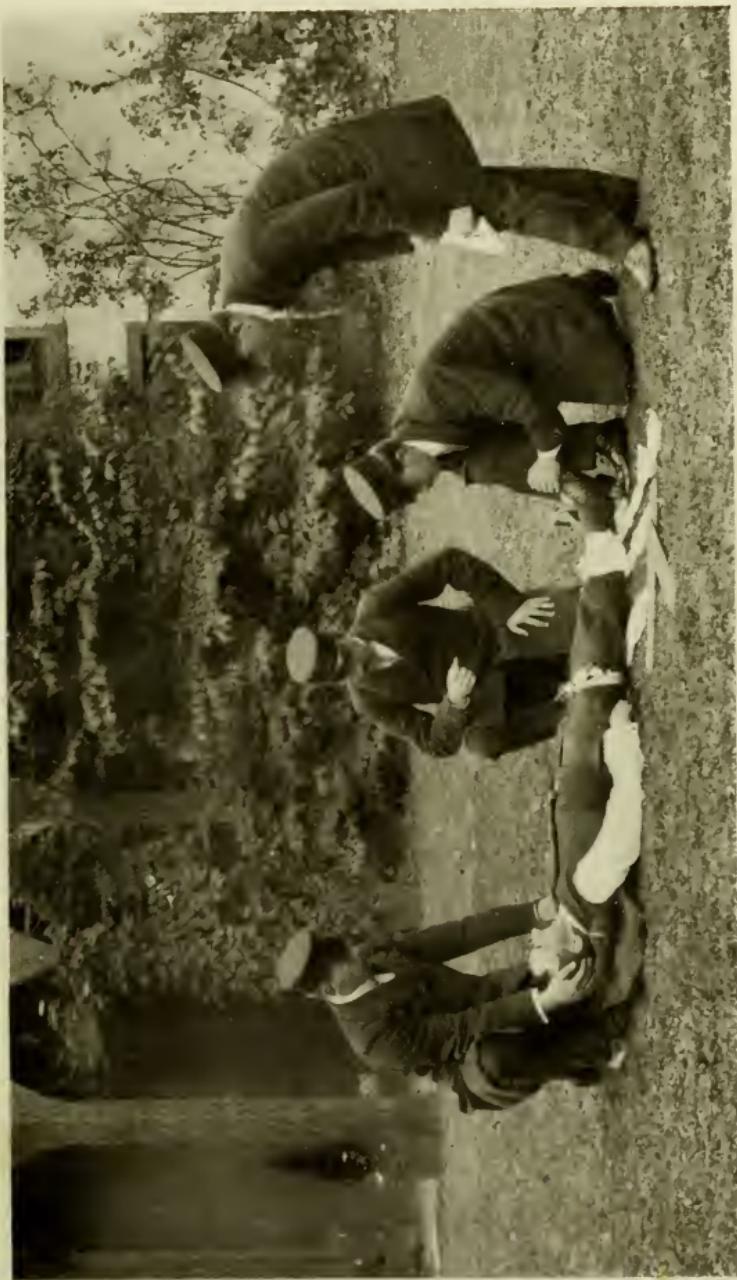
FRACTURE OF THIGH-BONE (Femur).  
(a) In process, shewing two members of the team maintaining counter-extension.



FRACTURE OF THIGH-BONE (Femur). (b) As complete, ready for transport.



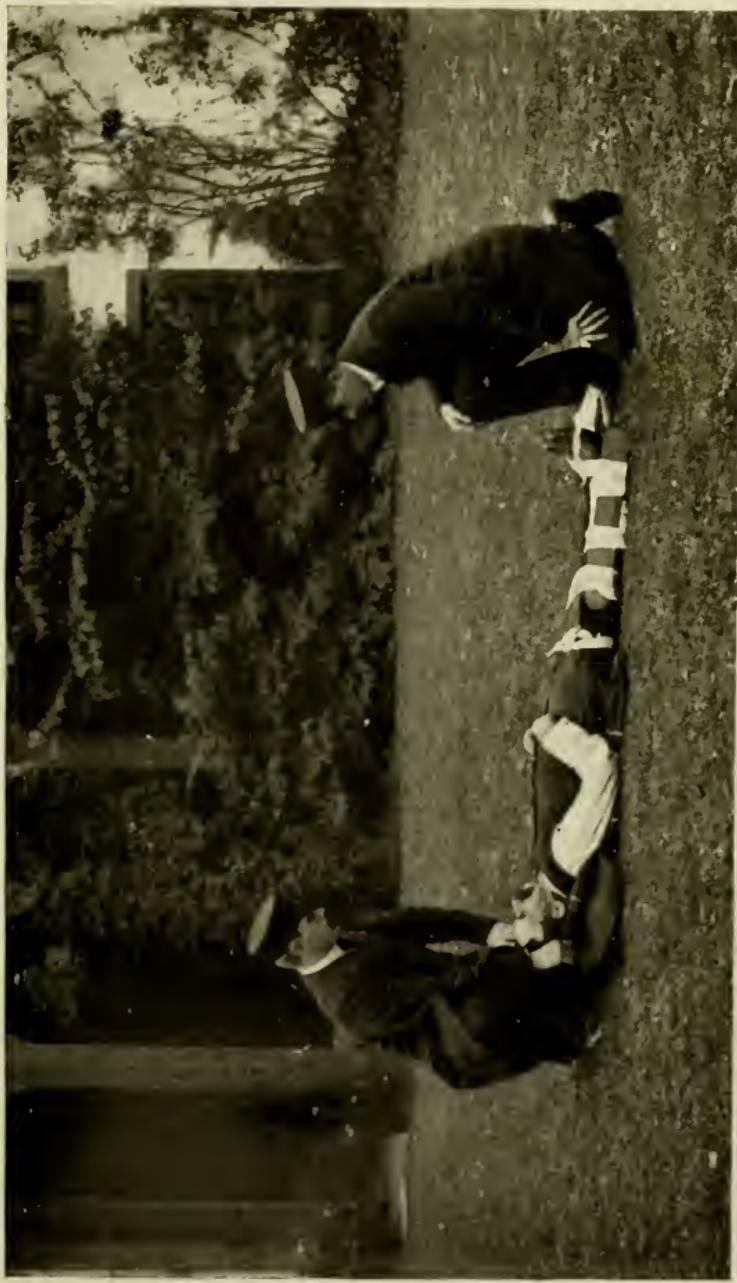
FRACTURE OF UNDER JAW-BONE (Lower Maxilla).  
Fixed with two-tailed bandage.



COMPOUND FRACTURE OF LOWER LEG. (1).  
(a) Improvised tourniquet, (b) one man holds limb in position until splints are fixed.



COMPOUND FRACTURE OF LOWER LEG. (2).  
(c) Note that splints must project beyond foot.



COMPOUND FRACTURE OF LOWER LEG. (3).  
(a) As complete, both limbs and feet are tied together. This prevents patient making any effort to rise, while the sound limb acts as an extra splint.



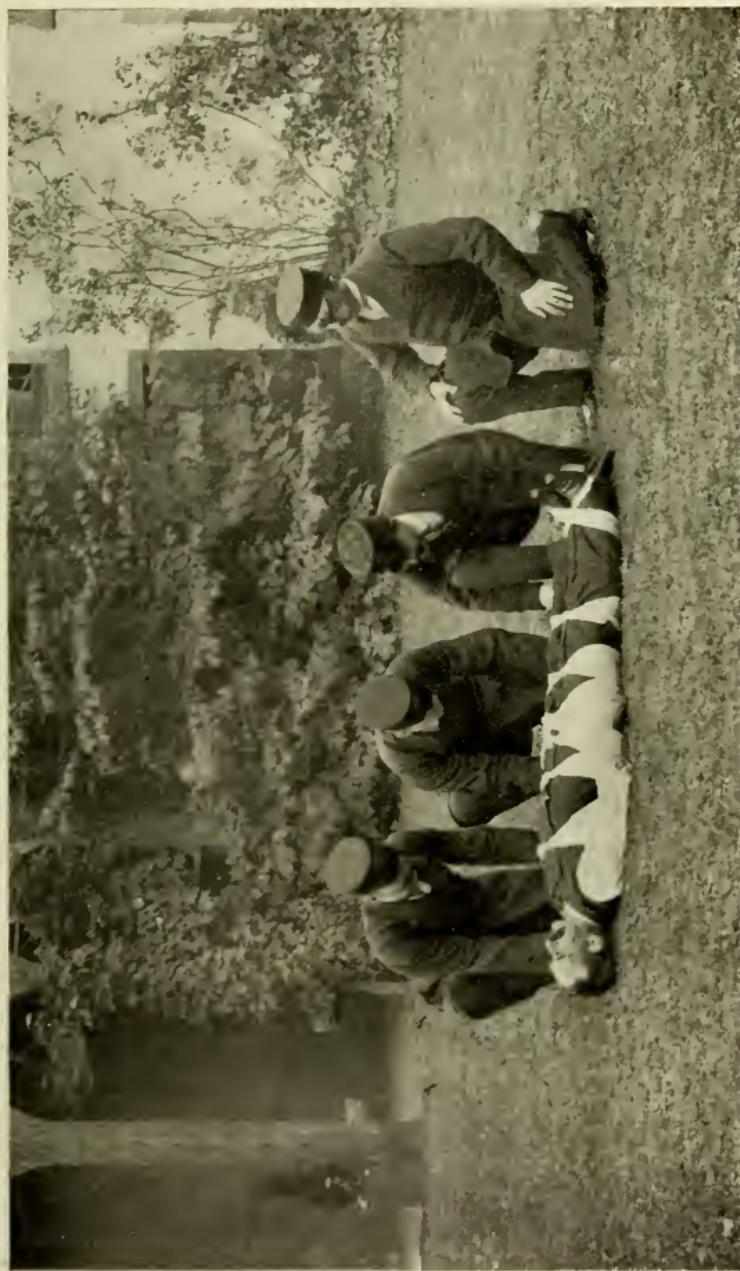
FRACTURE OF KNEE-CAP (Patella).  
(a) Approximating the broken surfaces by means of two figure-of-eight bandages.



FRACTURE OF KNEE-CAP (Patella).  
(b) Ready for transport. Showing single back leg-splint.



FRACTURE OF BASIN-BONES (Pelvis).  
(a) Apparatus. Two or three broad bandages applied round pelvic portion of body and knotted in front.

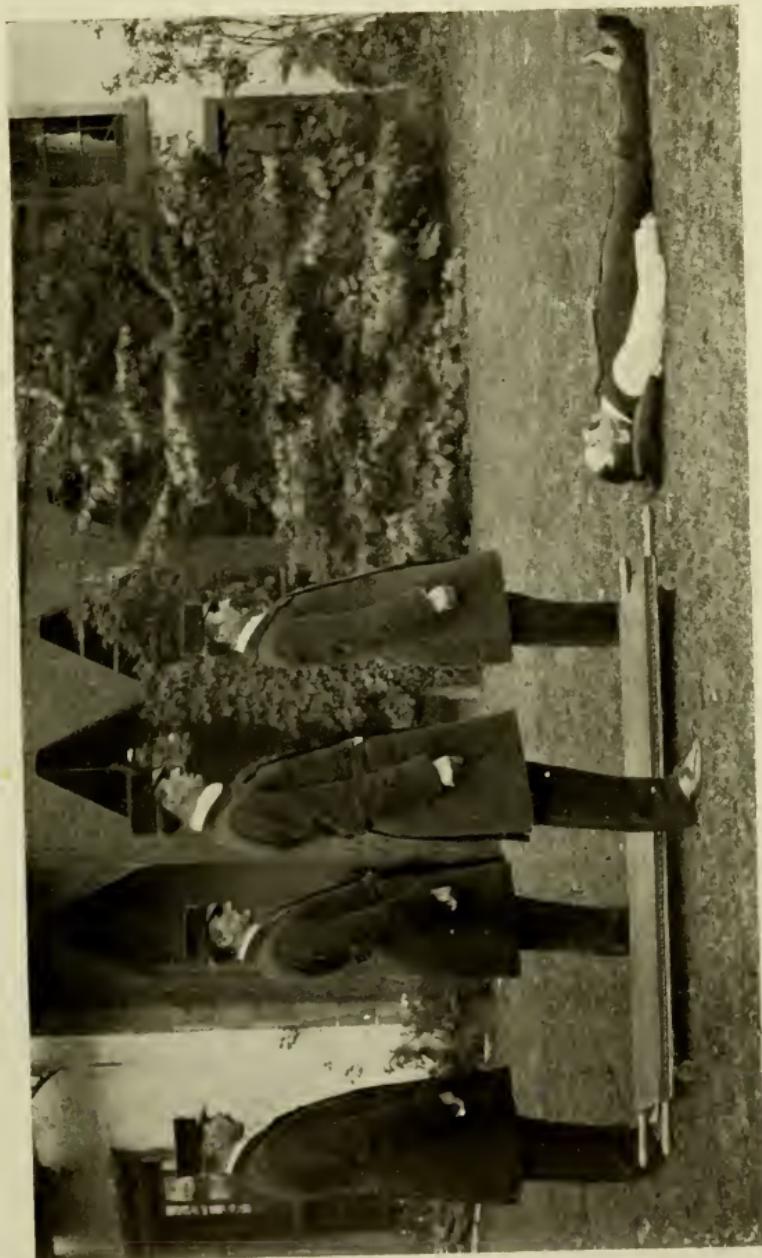


FRACTURE OF BASIN-BONES (Pelvis).  
(b) Two long splints are made secure under the body. Is then ready for transport.



FRACTURE OF BASIN-BONES (Pelvis).

(c) Transport in this and spinal injuries is by means of a rug. While patient is counter-extended the rug (with side-edges rolled in) is carefully drawn under, end on.  
Lift "as for loading."



TRANSPORT.  
(a) Taking post at stretcher.



TRANSPORT.  
(b) Testing and placing the stretcher.



TRANSPORT.  
(c) Loading the stretcher.



TRANSPORT.  
(a) Ready to march (raise stretcher).



TRANSPORT.  
(e) Lifting stretcher as for loading (into wagon).



TRANSPORT.  
⑦ Unloading stretcher.



TRANSPORT.  
Loading with three bearers.



TRANSPORT.  
Unloading with three bearers.



TRANSPORT.  
Improvised stretcher. Poles are stuck through sleeves, and the coats buttoned across.



Removing unconscious man from a street accident with injuries unknown.

Patient's own coat is the improvised stretcher.



TRANSPORT.  
Fore-and-aft carry.



PICK-A-BACK CARRY.  
(a) Lifting patient from ground, and placing him on chair.



PICK-A-BACK CARRY.  
(b) Kneeling in front the bearer lifts patient on to back.



(c) PICK-A-BACK CARRY



HOW TO ASSIST A DRUNK OR SICK PERSON TO WALK.



THE FIREMAN'S LIFT.

(a) Grasp the patient's right wrist with the left hand; stoop well under him, and clasp his right leg with the free arm. Rise up in this position.



TRANSPORT.  
(b) The fireman's lift (having risen).



TRANSPORT.  
(c) The fireman's lift, with one hand free, as for descent of ladder, &c.



TRANSPORT.  
The two-handed seat.



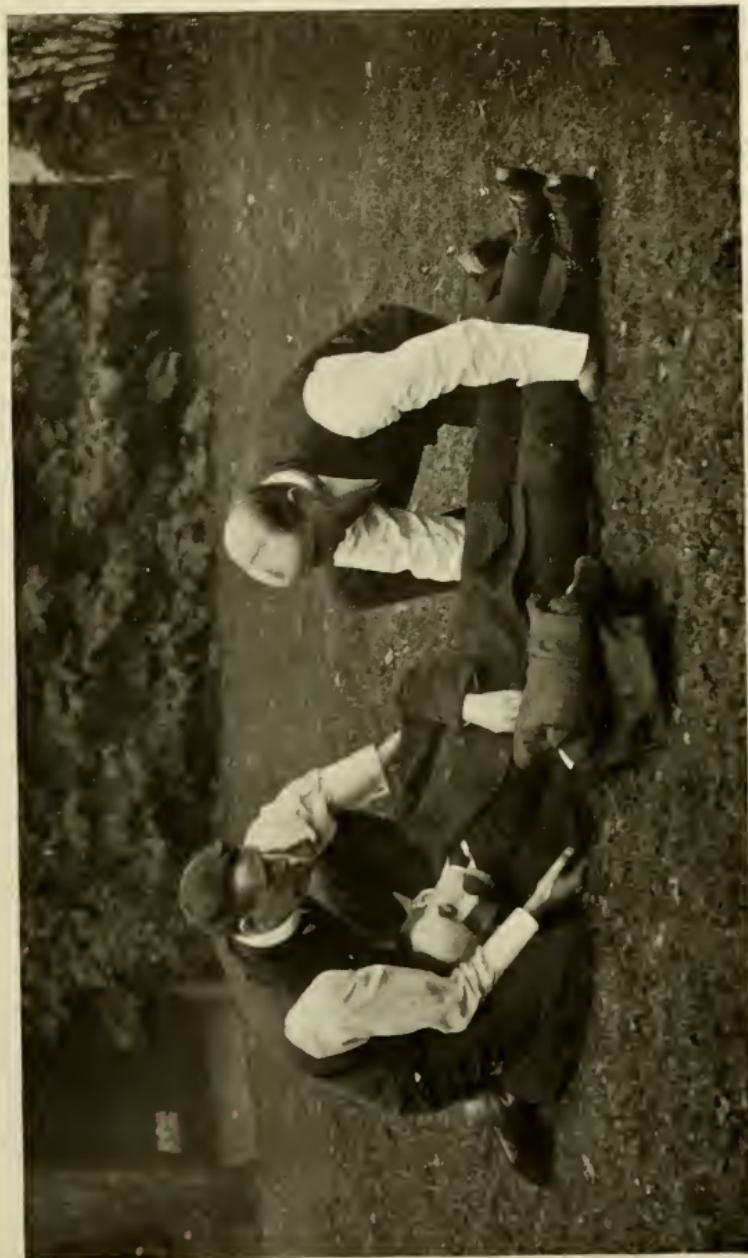
TRANSPORT.  
The three-handed seat.



TRANSPORT.  
The four-handed seat.



Fainting in Chair (as in crowded hall).  
Draw back chair, and lower the patient's head.



RECOVERY FROM DROWNING (Sylvester).  
(a) Turn patient on face with pad under stomach.



RECOVERY FROM DROWNING (Sylvester).  
(b) Clear mouth of any obstructions. Press stomach several times firmly over pad to empty it of water. Fix tongue forward with rubber band or ligature tied round chin.



RECOVERY FROM DROWNING (Sylvester).

(c) Grasp both arms of patient above the elbows, and draw them up over the head to full extent. This causes inspiration.



RECOVERY FROM DROWNING (Sylvester).

(a) Reverse last movement and compress patient's elbows firmly into his ribs—expiration. Continue these two movements at rate of 18 to 20 times a minute.



RECOVERY FROM DROWNING (Schäfer).  
(a) Loosen neck fastenings and note that mouth is empty.



RECOVERY FROM DROWNING (Schäfer).  
(b) Place hands on small of back—thumbs parallel and nearly touching.

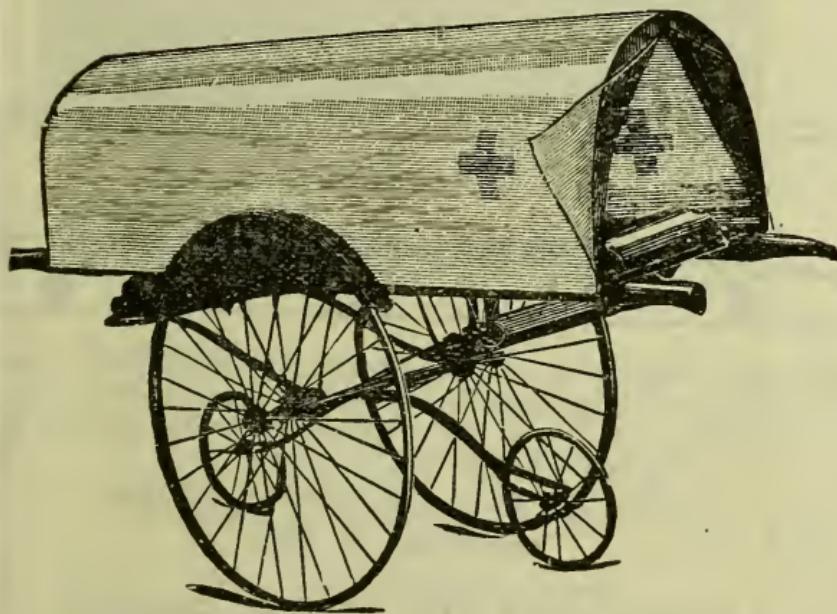


RECOVERY FROM DROWNING (Schäfer),  
(c) Operator swings forward over straight arms leaning full weight on patient's loins.  
Relax and repeat swing 12 times in minute.



RECOVERY FROM DROWNING (Schäfer).  
(a) May operate also from side of patient instead of astride.

# AMBULANCE WHEELED LITTER.



**FITTED** with Stretcher and Awning, completely sheltering the patient, hung on Armstrong's Patent Springs, and running on wheels with India-rubber tyres.

These litters are very suitable for Public Works, and for Towns and Villages having no Hospital. They are arranged to go into a railway van, enabling seriously injured persons to be carried to hospital by rail with as little jolting as possible.

Price, £12 12s. each.

# AMBULANCE STRETCHERS.



PLAN, UNDER.



EXTRA strong, fitted with Waterproof-covered Pillow and four India-rubber wheels ; folds when not in use into very small compass. An Awning which completely shelters the patient can be fitted to the Stretcher.

Price, £2 2s. ; with Awning, £2 12s.

With Slings, 2s. extra.

## STRETCHERS FOR JUNIOR CLASSES

(Specially light and strong.)

Price, £1 5s.

## TELESCOPE-HANDED STRETCHER.

To fit any railway carriage.

Price, £2 12s.

## "LOWMOOR JACKET" STRETCHER

For use in mines, ships' holds, etc.

Price, £3 10s.

## BARNES STRETCHER ATTACHMENT.

Readily attached to an ordinary stretcher when necessary to remove a patient in the vertical position, as in ships, docks, mines, etc.

Price, £1 10s.

# THE BREADALBANE AMBULANCE HAVERSACK.

Suitable for Stretcher Squads of Ambulance Corps, and for Sportsmen, etc., containing:—

1 Tin Adhesive Plaster, 5 yds. by 1 in.	1 Pair Scissors.
2 Sal Alembroth Triangular Bandages.	2 Bottles Surgeon's Needles in Vaseline.
2 Sal Alembroth Roller Bandages, 2½ ins.	1 Bottle Surgeon's Silk, prepared.
4 Triangular Bandages.	1 Bottle Sal Volatile.
3 yds. Double Cyanide Gauze.	1 Packet of Plain Needles
2 oz. Boric Wool.	1 Bottle Carbolic Oil.
1 Elastic Web Tourniquet.	1 Box Safety Pins.
1 Pair Dressing Forceps.	3 Doz. Ordinary Pins.
	1 Skein Linen Thread.

Dressings, Bandages, etc., in air-tight packages.

In Waterproof Brown Canvas, Leather Sling, Fitted complete, Price, 15/- Refilling Haversack, 11/8.

## WATER BOTTLES.

Complete, with Sling and Cover, Price, 3/6.

## ILLUSTRATED TRIANGULAR BANDAGES.

Designed for the Association by Sir GEORGE T. BEATSON, K.C.B., Glasgow. This Bandage can be applied in thirty-two different ways, and has printed upon it fifty designs showing how to use it.

Price, with Printed Instructions, 7d. each;  
Post Free, 8d.

## SPLINTS.

Gooch Splints, per Set of Four, -	2/6
Wood " " " -	1/-
Thigh " - - - each	1/6.
Set of Four Wood Splints and 12 plain Triangular Bandages, -	4/-

## INSTRUMENTS.

Forceps, per pair, - - - -	2/-
Scissors, Small, per pair, - -	1/-

